

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2002-008741**
(43)Date of publication of application : **11.01.2002**

(51)Int.Cl. **H01M 14/00**
H01L 31/04

(21)Application number : **2000-189543** (71)Applicant : **FUJI PHOTO FILM CO LTD**
(22)Date of filing : **23.06.2000** (72)Inventor : **NAKAMURA YOSHISADA**

(54) PHOTOELECTRIC CONVERSION ELEMENT AND PHOTOCELL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a dye sensitized photoelectric conversion element superior in output voltage by easily adjusting the energy level of a semiconductor, having high conversion efficiency, and easy to manufacture.

SOLUTION: In this photoelectric conversion element having a semiconductor fine grain layer sensitized by a dye, and a charge carrier layer, the semiconductor fine grain layer includes at least one kind of second metallic element of ≥ 0.01 mol% and < 50 mol% to a first metallic element as the main element, with the first metallic element. A photocell uses this photoelectric conversion element.

LEGAL STATUS

- [Date of request for examination]
- [Date of sending the examiner's decision of rejection]
- [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
- [Date of final disposal for application]
- [Patent number]
- [Date of registration]
- [Number of appeal against examiner's decision of rejection]
- [Date of requesting appeal against examiner's decision of rejection]
- [Date of extinction of right]